

Amendments to the Claims:

1-30. (Canceled)

31. (Cancelled)

32. (Currently Amended) A The dermoscopy epiluminescence device of claim 31 further comprising:

a) a generally circular optical lens defining an outer circumference to produce a magnified image of an object to be observed by a viewer;

b) a first illumination source comprising a plurality of luminous diodes radiating a first colored wavelength spaced about the circumference of said optical lens to direct light upon the object;

c) a second illumination source comprising a plurality of luminous diodes radiating a second colored wavelength to direct light upon the object wherein each diode is positioned between diodes of the first illumination source about the circumference of the optical lens to form a ring of alternating diodes from said first and second illumination sources;

d) a first polarizer comprising a planar annular ring filter defining a generally circular center opening and an outer ring, said center opening of said annular ring is positioned in corresponding alignment with the circular optical lens to provide an open view of the object through the lens, said outer ring having a plurality of openings sized and positioned to correspond to the diodes of the second illumination source such that light emitted from the diodes of the second illumination source is passed through the openings toward the object and light emitted from the diodes of the first illumination source is polarized by the first polarizer filter;

e) a second polarizer comprising a planar annular ring filter defining a generally circular center opening and an outer ring, said center opening of said annular ring is positioned in corresponding alignment with the circular optical lens to provide an open view of the object through the lens, said outer ring having a plurality of openings sized and positioned to correspond to the diodes of the first illumination source such that light emitted from the diodes of the first illumination source is passed through the openings toward the

object and light emitted from the diodes of the second illumination source is polarized by the second polarizer filter; and

f) a viewing polarizer positioned between a viewer and the object to polarize light reflected from the object wherein said viewing polarizer is cross-polarized relative to said first polarized illumination source and is parallel-polarized relative to said second illumination source.

g) at least one switch for initiating the first and second illumination sources.

33. (Canceled)

34. (Cancelled) The dermoscopy epiluminescence device of claim 31 further comprising a power source to power said first and second illumination sources.

35. (Cancelled) The dermoscopy epiluminescence device of claim 34 wherein said power source is a battery.

36. (Cancelled) The dermoscopy epiluminescence device of claim 34 wherein said power source is a lithium battery

37. (Currently Amended) A ~~The~~ dermoscopy epiluminescence device of ~~claim 34~~ comprising:

a) a generally circular optical lens defining an outer circumference to produce a magnified image of an object to be observed by a viewer;

b) a first illumination source comprising a plurality of luminous diodes radiating a first colored wavelength spaced about the circumference of said optical lens to direct light upon the object;

c) a second illumination source comprising a plurality of luminous diodes radiating a second colored wavelength to direct light upon the object wherein each diode is positioned between diodes of the first illumination source about the circumference of the optical lens to form a ring of alternating diodes from said first and second illumination sources;

d) a first polarizer comprising a planar annular ring filter defining a generally circular center opening and an outer ring, said center opening of said annular ring is positioned in corresponding alignment with the circular optical lens to provide an open view of the object through the lens, said outer ring having a plurality of openings sized and

positioned to correspond to the diodes of the second illumination source such that light emitted from the diodes of the second illumination source is passed through the openings toward the object and light emitted from the diodes of the first illumination source is polarized by the first polarizer filter;

e) a second polarizer comprising a planar annular ring filter defining a generally circular center opening and an outer ring, said center opening of said annular ring is positioned in corresponding alignment with the circular optical lens to provide an open view of the object through the lens, said outer ring having a plurality of openings sized and positioned to correspond to the diodes of the first illumination source such that light emitted from the diodes of the first illumination source is passed through the openings toward the object and light emitted from the diodes of the second illumination source is polarized by the second polarizer filter; and

f) a viewing polarizer positioned between a viewer and the object to polarize light reflected from the object wherein said viewing polarizer is cross-polarized relative to said first polarized illumination source and is parallel-polarized relative to said second illumination source.

g) a power source to power said first and second illumination devices, wherein said power source is a USB connection.

38-43 (Cancelled)

44. (Currently Amended) A The dermoscopy epiluminescence device of claim 31 comprising:

a) a generally circular optical lens defining an outer circumference to produce a magnified image of an object to be observed by a viewer;

b) a first illumination source comprising a plurality of luminous diodes radiating a first colored wavelength spaced about the circumference of said optical lens to direct light upon the object;

c) a second illumination source comprising a plurality of luminous diodes radiating a second colored wavelength to direct light upon the object wherein each diode is positioned between diodes of the first illumination source about the circumference of the

optical lens to form a ring of alternating diodes from said first and second illumination sources;

d) a first polarizer comprising a planar annular ring filter defining a generally circular center opening and an outer ring, said center opening of said annular ring is positioned in corresponding alignment with the circular optical lens to provide an open view of the object through the lens, said outer ring having a plurality of openings sized and positioned to correspond to the diodes of the second illumination source such that light emitted from the diodes of the second illumination source is passed through the openings toward the object and light emitted from the diodes of the first illumination source is polarized by the first polarizer filter;

e) a second polarizer comprising a planar annular ring filter defining a generally circular center opening and an outer ring, said center opening of said annular ring is positioned in corresponding alignment with the circular optical lens to provide an open view of the object through the lens, said outer ring having a plurality of openings sized and positioned to correspond to the diodes of the first illumination source such that light emitted from the diodes of the first illumination source is passed through the openings toward the object and light emitted from the diodes of the second illumination source is polarized by the second polarizer filter; and

f) a viewing polarizer positioned between a viewer and the object to polarize light reflected from the object wherein said viewing polarizer is cross-polarized relative to said first polarized illumination source and is parallel-polarized relative to said second illumination source.

g) a housing integrating the optical lens, first and second illumination sources, first and second polarizers and said viewing polarizer wherein the housing is adapted to engage and be affixed to a camera body such that the lens of the camera can capture images of the object to be observed through said optical lens and viewing polarizer.

45. (Currently Amended) A The dermoscopy epiluminescence device of claim 31 comprising:

a) a generally circular optical lens defining an outer circumference to produce a magnified image of an object to be observed by a viewer;

b) a first illumination source comprising a plurality of luminous diodes radiating a first colored wavelength spaced about the circumference of said optical lens to direct light upon the object;

c) a second illumination source comprising a plurality of luminous diodes radiating a second colored wavelength to direct light upon the object wherein each diode is positioned between diodes of the first illumination source about the circumference of the optical lens to form a ring of alternating diodes from said first and second illumination sources;

d) a first polarizer comprising a planar annular ring filter defining a generally circular center opening and an outer ring, said center opening of said annular ring is positioned in corresponding alignment with the circular optical lens to provide an open view of the object through the lens, said outer ring having a plurality of openings sized and positioned to correspond to the diodes of the second illumination source such that light emitted from the diodes of the second illumination source is passed through the openings toward the object and light emitted from the diodes of the first illumination source is polarized by the first polarizer filter;

e) a second polarizer comprising a planar annular ring filter defining a generally circular center opening and an outer ring, said center opening of said annular ring is positioned in corresponding alignment with the circular optical lens to provide an open view of the object through the lens, said outer ring having a plurality of openings sized and positioned to correspond to the diodes of the first illumination source such that light emitted from the diodes of the first illumination source is passed through the openings toward the object and light emitted from the diodes of the second illumination source is polarized by the second polarizer filter; and

f) a viewing polarizer positioned between a viewer and the object to polarize light reflected from the object wherein said viewing polarizer is cross-polarized relative to said first polarized illumination source and is parallel-polarized relative to said second illumination source.

g) a third illuminating source comprising a plurality of luminous diodes operable on a single circuit, each of said diodes radiating a third colored wavelength and said diodes

positioned in spaced relation about the circumference of said optical lens to direct light upon the object.

46. (Previously Presented) The dermoscopy epiluminescence device of claim 45 further comprising a fourth illuminating source comprising a plurality of luminous diodes operable on a single circuit, each of said diodes radiating a fourth colored wavelength and said diodes positioned in spaced relation about the circumference of said optical lens to direct light upon the object.

47. (Previously Presented) The dermoscopy epiluminescence device of claim 46 wherein the colors of said first, second, third and forth light sources comprise white, UV/Blue (405 nm), green/yellow (565 nm) and orange/red (630nm).